10/574 53

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 14 April 2005 (14.04.2005)

(10) International Publication Number WO 2005/032770 A1

(51) International Patent Classification7:

B25F 5/00

(21) International Application Number:

PCT/SE2004/001407

(22) International Filing Date: 4 October 2004 (04.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0302622-6

3 October 2003 (03.10.2003)

- (71) Applicant (for all designated States except US): ATLAS COPCO TOOLS AB [SE/SE]; S-105 23 Stockholm (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HANSSON, Gunnar, Christer [SE/SE]; Karlavägen 72, S-114 59 Stockholm
- (74) Agent: PANTZAR, Tord; c/o Atlas Copco Tools AB, S-105 23 Stockholm (SE).

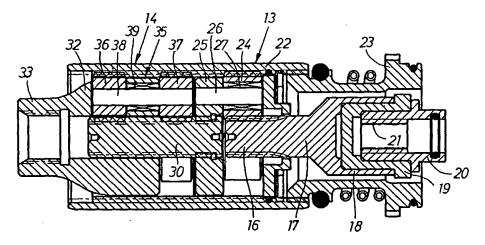
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POWER TOOL WITH PLANET TYPE REDUCTION GEARING



2005/032770 A1 |||||| (57) Abstract: A power tool having a rotation motor coupled to an output shaft (11) via a reduction gearing (13,14), wherein the reduction gearing (13,14) comprises at least one planetary gearing (14) with a sun gear (30), a ring gear (22), a planet wheel carrier (32) supporting two or more planet wheel units (35) each comprising two axially spaced spur gears (36,37) both secured to a spindle (38) which is rotatively journalled relative to the planet wheel carrier (32) via a bearing located between the spur gears (36,37).